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Amended Specification Substitute Sheet

Process for Cyclic, Interactive Image Analysis, and also

Computer System and Computer Program for Performing the Process

Cross-References to Related Applications

Not applicable.

Statement Regarding Federally Sponsored Research or Development

Not applicable.

Background of the Invention

[0001] The present invention relates to a process for cyclic, interactive image analysis, and also to a computer system and a computer program for performing a corresponding process.

Technical Field

[0002] Many image processing methods known today operate according to the so-called fractal hierarchy, in which the image processing takes place in two steps. In a first, segmentation, step the image is segmented in the local space, that is, divided into different regions. The segmentation takes place according to hierarchy stages, where each pixel of the image represents a segment in the lowest hierarchy stage. For the respective next higher hierarchy stage, the two neighboring segments are combined which produce the smallest increase of the product of the number of pixels and the variance of the color

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